

LISTS OF SPECIES

Insecta, Hymenoptera, Chalcidoidea, Eurytomidae and Torymidae in Iran

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Abstract: A taxonomic checklist of 43 species of Eurytomidae belonging to seven genera, and 41 species of Torymidae belonging to 15 genera, are currently recognized as occurring in Iran. Based mostly on various faunistic survey reports; no eurytomid or torymid species with collection records from Iran have previously been listed. Therefore; we did not intend to confirm identifications of previous studies, except in very obvious cases. A more comprehensive collection-based study is needed to confirm the actual Iranian occurrence of each species listed in this checklist.

Introduction

In the Chalcidoidea, the family Eurytomidae with 1400 described species and the family Torymidae with 960 species are important in regulating the populations of many insect species (Noyes 2008). For the Iranian fauna, studies of Hedicke (1921), Boucek (1952; 1977), Nikolskaya (1952) and Burks (1971) contain some faunistic reports on Iranian Eurytomidae. Modares Awal (1997) cited eight valid species of Eurytomid wasps in his list of agricultural pests and their natural enemies in Iran. In recent years some faunistic studies have been done on Iranian Eurytomidae and some new species have been described (Narendran and Lotfalizadeh 1999; Zerova et al. 2004; Lotfalizadeh et al. 2007; Zerova and Seryogina, 2008; Zerova et al. 2008). Some studies on Torymidae in Iran have recently been conducted by various local and foreign scientists (Modares Awal 1997; Ebrahimi and Ahmadian 2002; Rakhsahani et al. 2003a; b; Azizkhani et al. 2005; Delvare 2005; Lotfalizadeh and Gharali 2005; Askew et al. 2006a; Fallahzadeh et al. 2008; Hesami et al. 2008; Lotfalizadeh and Khalghani 2008). Although many studies have been carried out on the Eurytomidae and Torymidae fauna in Iran, their results have not been collated and published. This checklist was compiled to provide a reference for future studies on the fauna of these families in Iran.

Materials and Methods

The present checklist aims at reviewing as many references as possible to the Eurytomidae and Torymidae, and listing every species with an Iranian record. However; we did not intend to confirm identifications by previous workers except for very obvious cases. We follow the classification and taxonomic arrangement of Noyes (2008).

Results

Forty-three Eurytomidae species belonging to seven genera and 41 Torymidae species belonging to 15 genera are listed as follows:

FAMILY EURYTOMIDAE Walker, 1832

Bruchophagus astragali Fedoseeva, 1954

Iranian Records: province of Chaharmahal-Bakhtiyari (Haghighian 2004); province of West Azerbaijan (Zerova et al. 2008).

Distribution outside Iran: Bulgaria; Georgia; Germany; Hungary; Kazakhstan; Mongolia; Romania; Russia; Sweden; Turkmenistan.

Bruchophagus gibbus (Boheman, 1836)

Iranian Records: province of Khuzestan (Eslamizadeh and Ebrahimi 2002; Eslamizadeh et al. 2008).

Distribution outside Iran: Argentina; Australia; Austria; Azerbaijan; Bulgaria; Canada; Chile;

Finland; Germany; Hungary; India; Iraq; Italy; Netherlands; New Zealand; China; Peru; Romania; Russia; Sweden; Ukraine; United Kingdom; United States of America.

Bruchophagus glycyrrhizae Nikolskaya, 1952

Iranian Record: province of Qazvin (Arbab et al. 2004).

Distribution outside Iran: India; Iraq; Kazakhstan.

Bruchophagus mutabilis Nikolskaya, 1952

Iranian Records: province of Qazvin (Arbab et al. 2004); Iran (Nikolskaya 1952).

Distribution outside Iran: Bulgaria; France; Kazakhstan.

Bruchophagus nikolskajae Zerova, 1975

Iranian Record: province of Khorasan (Dashti and Lotfalizadeh 2008).

Distribution outside Iran: Kyrgyzstan.

Bruchophagus robiniae Zerova, 1970

Iranian Record: province of Tehran (Rakhshani et al. 2005).

Distribution outside Iran: Armenia; Bulgaria; Ukraine; Uzbekistan.

Bruchophagus roddi Gussakovsky, 1933

Iranian Records: East Azerbaijan; Hamadan; Kermanshah; Kurdistan; West Azerbaijan; Tehran and Zanjan provinces (Modares Awal 1997); Iran (Noyes 2008).

Distribution outside Iran: Argentina; Australia; Austria; Bulgaria; Canada; Chile; Czech Republic; France; Germany; Hungary; India; Iraq; Israel; Kazakhstan; Mexico; Moldova; Netherlands; New Zealand; Poland; Peru; Romania; Russia; Slovakia; Turkey; Ukraine; United States of America; Uzbekistan; Yugoslavia.

Bruchophagus trjapitzini Zerova, 2008

Iranian Record: province of West Azerbaijan (Zerova et al. 2008).

Eurytoma abdita Zerova, 1995

Iranian Record: province of West Azerbaijan (Zerova et al. 2008).

Distribution outside Iran: Kazakhstan; Russia; Ukraine.

Eurytoma acroptilae Zerova, 1986

Iranian Records: province of Ilam (Gharali 2004; Gharali and Zerova 2004a).

Distribution outside Iran: Azerbaijan; Kazakhstan; Tadzhikistan; Ukraine; Uzbekistan.

Eurytoma amygdali Enderlein, 1907

Iranian Records: Iran (Modares Awal 1997); province of Yazd (Mohammadi Khoramabadi and Amin 2006).

Distribution outside Iran: Armenia; Azerbaijan; Bosnia and Herzegovina; Bulgaria; Cyprus; France; Georgia; Greece; Hungary; Israel; Jordan; Lebanon; Republic of Macedonia; Russia; Syria; Turkey; Ukraine.

Eurytoma arctica Thomson, 1875

Iranian Records: province of Markazi (Ebrahimi 1993; Modares Awal 1997).

Distribution outside Iran: Austria; Belgium; Croatia; Czech Republic; Denmark; Finland; Germany; Hungary; Norway; Poland; Russia; Slovakia; Sweden; Switzerland; United Kingdom.

Eurytoma blastophagi Hedqvist, 1963

Iranian Record: province of East Azerbaijan (Lotfalizadeh and Khalghani 2008).

Distribution outside Iran: Europe; Germany; Norway; Peoples' Republic of China; Russia; Sweden; USSR.

Eurytoma brunniventris Raatzeburg, 1852

Iranian Records: Kordestan; Kermanshah and Ilam provinces (Nazemi-Rafie et al. 2007); province of West Azerbaijan (Zargaran et al. 2008).

Distribution outside Iran: Austria; Bosnia and Herzegovina; Bulgaria; Croatia; Czech Republic; France; Germany; Hungary; Italy; Japan; South Korea; Netherlands; Romania; Russia; Serbia; Spain; Sweden; Ukraine; United Kingdom.

Eurytoma calicotomae Zerova, 2005

Iranian Record: province of West Azerbaijan (Zerova et al. 2008).

Distribution outside Iran: Israel

Eurytoma caninae Lotfalizadeh and Delvare, 2007

Iranian Record: province of East Azerbaijan (Lotfalizadeh et al. 2007); West Azerbaijan and Tehran provinces (Lotfalizadeh et al. 2006).

Distribution outside Iran: France; Morocco.

Eurytoma collina Zerova, 1984

Iranian Records: East Azerbaijan and Tehran provinces (Lotfalizadeh et al. 2006).

Distribution outside Iran: Tadzhikistan; Turkmenistan; Uzbekistan.

Eurytoma curculionum Mayr, 1878

Iranian Records: province of Markazi (Ebrahimi 1993; Modares Awal 1997).

Distribution outside Iran: Austria; Bosnia and Herzegovina; Finland; France; Germany; Hungary; India; Italy; Morocco; Norway; Poland; Republic of Macedonia; Sweden; Turkey; United Kingdom.

Eurytoma ghazvini Zerova, 2004

Iranian Records: province of Qazvin (Zerova et al. 2004); Iran (Zerova and Seryogina 2006).

Eurytoma goidanichi Bou ek, 1970

Iranian Records: Iran (Haeselbarth 1983).

Distribution outside Iran: Croatia; Czech Republic; Germany; Italy; Moldova; Republic of Macedonia; Russia; Slovakia; Turkmenistan; Ukraine; Serbia.

Eurytoma iranica Narendran and Lotfalizadeh, 1999

Iranian Record: province of Fars (Narendran and Lotfalizadeh 1999).

Eurytoma iranicola Zerova, 2007

Iranian Records: province of Kerman (Zerova et al. 2004); Iran (Zerova and Seryogina 2006); province of Chaharmahal-Bakhtiari (Lotfalizadeh and Khalghani 2008).

Eurytoma lactucae Zerova, 2008

Iranian Record: province of Lorestan (Zerova et al. 2008).

Eurytoma morio Boheman, 1836

Iranian Records: East Azerbaijan, Isfahan, Tehran and Zanjan provinces (Modares Awal 1997); province of East Azerbaijan (Lotfalizadeh and Khalghani 2008).

Distribution outside Iran: Austria; Belgium; Croatia; Czech Republic; Denmark; Finland; France; Germany; Hungary; India; Israel; Italy; Kazakhstan; Lebanon; Lithuania; Moldova; Mongolia; Morocco; Netherlands; Norway; China; Poland; Romania; Russia; Serbia; Slovakia; Spain; Sweden; Switzerland; Turkmenistan; Ukraine; United Kingdom; Yemen.

Eurytoma pistaciae Rondani, 1877

Iranian Records: province of Tehran (Rakhshani et al. 2003b); province of West Azerbaijan (Zargaran et al. 2008); Iran (Askew et al. 2006a; b).

Distribution outside Iran: Austria; Bulgaria; Croatia; Germany; Hungary; Italy; Japan; Korea-South; China; Romania; Russia; Spain; Switzerland; Turkey; Ukraine; United Kingdom.

Eurytoma plotnikovi Nikolskaya, 1934

Iranian Records: East Azerbaijan, Fars, Isfahan, Kerman, Khorasan, Markazi, Semnan and Zanjan provinces (Modares Awal 1997); province of Isfahan (Basirat and Seyedoleslami 1998; 2000).

Distribution outside Iran: Greece; Israel; China.

Eurytoma robusta Mayr, 1878

Iranian Record: province of West Azerbaijan (Zerova et al. 2008).

Distribution outside Iran: Austria; Bulgaria; Czech Republic; Denmark; Europe; France; Germany; Greece; Hungary; Italy; Moldova; Netherlands; Palearctic; Romania; Slovakia; Spain; Sweden; Switzerland; Turkey; United Kingdom (excl. Northern Ireland); USSR; Yugoslavia (Federal Republic).

Eurytoma rosae Nees, 1834

Iranian Records: East Azerbaijan and Tehran provinces (Lotfalizadeh et al. 2006); province of Tehran (Rakhshani et al. 2003b); Iran (Askew et al. 2006a; b).

Distribution outside Iran: Andorra; Argentina; Armenia; Austria; Belgium; Bulgaria; Czech Republic; Finland; France; Germany; Greece; Hungary; Iran; Italy; Kazakhstan; Malaysia; Netherlands; North Africa; China; Poland; Romania; Serbia; Slovakia; Spain; Sweden; Switzerland; Turkey; United Kingdom; Yugoslavia (former).

Exeurytoma caraganae Burks, 1971

Iranian Record: province of Tehran (Burks 1971).

Distribution outside Iran: Turkmenistan.

Nikanoria shohadae Zerova, 2008

Iranian Record: province of West Azerbaijan (Zerova et al. 2008).

Sycophila biguttata (Swederus, 1795)

Iranian Records: East Azerbaijan and Tehran provinces (Lotfalizadeh et al. 2006); East Azerbaijan, Ilam and Lorestan provinces (Lotfalizadeh and Gharali 2007); province of Lorestan (Azizkhani et al. 2005); Kordestan and Kermanshah provinces (Nazemi-Rafie et al. 2007); province of West Azerbaijan (Zaegaran et al. 2008).

Distribution outside Iran: Austria; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; France; Germany; Hungary; Italy; Kazakhstan; Moldova; Montenegro; Netherlands; North Africa; Poland; Republic of Macedonia; Romania; Russia; Serbia; Slovenia; Spain; Sweden; Turkey; Ukraine; United Kingdom.

Sycophila binotata (Fonscolombe, 1832)
Iranian Record: province of East Azerbaijan (Lotfalizadeh and Gharali 2007).
Distribution outside Iran: Bulgaria; Croatia; France; Italy; Montenegro; Spain; Russia.

Sycophila flavicollis (Walker, 1834)
Iranian Record: province of Kordestan (Nazemi-Rafie et al. 2007).
Distribution outside Iran: Bulgaria; Caucasus; Croatia; Czech Republic; Europe; Germany; Hungary; Netherlands; Poland; Romania; Slovakia; Spain; Sweden; United Kingdom; Yugoslavia (Federal Republic).

Sycophila iracemae Nieves Aldrey, 1984
Iranian Record: Iran (Askew et al. 2006b).
Distribution outside Iran: France; Spain.

Sycophila submutica (Thomson, 1875)
Iranian Records: province of Ilam (Gharali and Zerova 2004b; Lotfalizadeh and Gharali 2007).
Distribution outside Iran: Andorra; Austria; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Czech Republic; Denmark; Finland; France; Germany; Greece; Hungary; Iraq; Kazakhstan; Moldova; Montenegro; Netherlands; Republic of Macedonia; Romania; Serbia; Spain; Sweden; Switzerland; Turkey; United Kingdom.

Sycophila variegata (Curtis, 1831)
Iranian Records: Ilam and Lorestan provinces (Lotfalizadeh and Gharali 2007); province of Lorestan (Azizkhani et al. 2005); province of West Azerbaijan (ZARGARAN et al. 2008).
Distribution outside Iran: Bulgaria; Croatia; Czech Republic; France; Hungary; Iraq; Italy; Japan; Korea-South; China; Romania; Slovakia; Sweden; Turkey; United Kingdom.

Systole albipennis Walker, 1832
Iranian Records: Iran (Bou ek 1952; 1977; Peck 1963).
Distribution outside Iran: Bulgaria; Canada; Chile; Croatia; Czech Republic; France; Germany; Hungary; India; Italy; Moldova; Montenegro; Netherlands; Romania; Sweden; Switzerland; Ukraine; United Kingdom.

Systole coriandri Gussakovsky, 1933
Iranian Record: Iran (Zerova 1978).
Distribution outside Iran: Afghanistan; Argentina; Brazil; Bulgaria; Caribbean; Chile; Central America; India; Japan; Malaysia; Moldova; North Africa; China; Romania; Russia; United States of America; Uzbekistan.

Systole foeniculi Otten, 1941
Iranian Records: Iran (Otten 1941; Bou ek 1952; 1988; Zerova 1978).
Distribution outside Iran: Afghanistan; Bulgaria; Central Asia; New Caledonia; New Zealand.

Tetramesa leucospae Zerova and Madjdzadeh, 2005
Iranian Records: Mazandaran province (Madjdzadeh et al. 2005).

Tetramesa maderae (Walker, 1849)
Iranian Records: province of Tehran (Modares Awal 1997); province of Fars (Dousti 2006); Iran (Popescu 2004).
Distribution outside Iran: Canada; Italy; Madeira; Mexico; Turkey; Ukraine; United Kingdom; United States of America.

Tetramesa persica (Hedicke, 1921)
Iranian Record: province of Hamadan (Hedicke 1921).

Tetramesa tritici (Fitch, 1859)
Iranian Record: province of Tehran (Modares Awal 1997).
Distribution outside Iran: Brazil; Canada; Russia; Spain; United States of America.

FAMILY TORYMIDAE Walker, 1833

Adontomerus confusus Askew, 2000
Iranian Record: province of Hormozghan (Lotfalizadeh and Gharali 2005).
Distribution outside Iran: Canary Islands.

Adontomerus crassipes (Bou ek, 1982)
Iranian Records: province of Ilam (Gharali and Zerova 2004; Lotfalizadeh and Gharali 2005).
Distribution outside Iran: Algeria; Spain.

Adontomerus impolitus (Askew & Nieves Aldrey, 1988)
Iranian Record: province of West Azerbaijan (Zerova et al. 2008).
Distribution outside Iran: Spain; Turkey; Uzbekistan.

Exopristoides hypecoi Zerova & Stojanova, 2004
Iranian Record: province of West Azerbaijan (Zerova et al. 2008).
Distribution outside Iran: Bulgaria

Exopristus trigonomerus (Masi, 1916)
Iranian Record: province of West Azerbaijan (Zerova et al. 2008).

Distribution outside Iran: Bosnia Hercegovina; Croatia; Czech Republic; Czech Republic; Europe; France; Greece; Hungary; Italy; Macedonia; Moldova; Mongolia; North Africa; Palaearctic; Romania; Slovakia; Spain; Transcaucasus (Zakavkaz); Turkey; Ukraine; USSR.

Cryptopristus salviae Zerova, 2008

Iranian Record: province of East Azerbaijan (Zerova et al. 2008).

Glyphomerus aylax Stojanova, 2005

Iranian Record: province of West Azerbaijan (Zerova et al. 2008).

Distribution outside Iran: Bulgaria.

Glyphomerus flavabdomen Zerova, 2008

Iranian Record: province of West Azerbaijan (Zerova et al. 2008).

Glyphomerus stigma (Fabricius, 1793)

Iranian Records: province of East Azerbaijan (Lotfalizadeh and Gharali 2005); Azerbaijan-e-Sharghi and Tehran provinces (Lotfalizadeh et al. 2006); province of Tehran (Rakhshani et al. 2003b).

Distribution outside Iran: Andorra; Austria; Bulgaria; Canada; Croatia; Czech Republic; France; Germany; Greece; Hungary; Italy; Japan; Kyrgyzstan; Netherlands; Romania; Russia; Serbia; Slovakia; Spain; Sweden; Switzerland; Turkey; United Kingdom; United States of America.

Idiomacromerus papaveris (Förster, 1856)

Iranian Records: Ilam and Qazvin provinces (Lotfalizadeh and Gharali 2005); province of Qazvin (Arbab et al. 2004); province of West Azerbaijan (Zerova et al. 2008).

Distribution outside Iran: Andorra; Austria; Bulgaria; Croatia; Czech Republic; France; Germany; Hungary; Israel; Italy; Moldova; Republic of Macedonia; Spain; Turkey.

Idiomacromerus perplexus (Gahan, 1914)

Iranian Records: Ardabil and Qazvin provinces (Lotfalizadeh and Gharali 2005).

Distribution outside Iran: Argentina; Armenia; Canada; Chile; Hungary; Mexico; Romania; Russia; Serbia; United States of America; Uruguay; Uzbekistan; Yugoslavia (former).

Idiomacromerus terebrator (Masi, 1916)

Iranian Record: province of East Azerbaijan (Lotfalizadeh and Gharali 2005).

Distribution outside Iran: Armenia; Bulgaria; Croatia; Czech Republic; France; Germany; Hungary; Italy; Moldova; New Zealand; Republic of Macedonia; Romania; Russia; Slovakia; Ukraine; United States of America; Uzbekistan.

Megastigmus aculeatus (Swederus, 1795)

Iranian Records: province of Tehran (Rakhshani et al. 2003a; b); Iran (Peck 1963; Grissell 1979; Xu and He 1995; O'Connor 2003; Roques and Skrzypczynska 2003).

Distribution outside Iran: Armenia; Austria; Bosnia and Herzegovina; Bulgaria; Croatia; Czech Republic; Denmark; Ethiopia; Finland; France; Germany; Greece; Hungary; Iran; Iraq; Italy; Japan; Kazakhstan; Moldova; Montenegro; Morocco; Netherlands; New Zealand; China; Poland; Romania; Russia; Serbia; Slovakia; Spain; Somalia; South Africa; Sweden; Switzerland; Tadzhikistan; Turkmenistan; Ukraine; United Kingdom; United States of America.

Megastigmus almusiensis Do anlar, 1989

Iranian Record: Iran (Nieves-Aldrey et al. 2008).

Distribution outside Iran: Turkey.

Megastigmus bipunctatus (Swederus, 1795)

Iranian Records: province of Qazvin (Zarnegar et al. 2008).

Iranian Records: Austria; Bulgaria; Czech Republic; Denmark; Estonia; Finland; France; Germany; Hungary; Italy; Kazakhstan; Montenegro; Morocco; Netherlands; Poland; Romania; Russia; Serbia; Slovakia; Slovenia; Spain; Sweden; Switzerland; Ukraine; United Kingdom; Uzbekistan.

Megastigmus dorsalis (Fabricius, 1798)

Iranian Records: province of Lurestan (Azizkhani et al. 2005; Lotfalizadeh and Gharali 2005); Kordestan and Kermanshah provinces (Nazemi-Rafie et al. 2007); province of West Azerbaijan (Zargaran et al. 2008).

Distribution outside Iran: Bulgaria; Bosnia and Herzegovina; Croatia; Czech Republic; Denmark; France; Germany; Hungary; India; Italy; Moldova; Netherlands; China; Republic of Macedonia; Romania; Russia; Serbia; Slovakia; Sweden; Turkey; Ukraine; United Kingdom.

Megastigmus dunicola Bouèek, 1982

Iranian Record: province of Kermanshah (Nazemi-Rafie et al. 2007).

Distribution outside Iran: France; Spain.

Megastigmus pistaciae Walker, 1871

Iranian Records: East Azerbaijan, Fars, Hamadan, Isfahan, Khorasan, Markazi, Semnan, Tehran and Zanjan provinces (Abai and Adeli 1984; Modares Awal 1997; Mehrnejad 2001; Jalilvand and Gholipour 2002); province of Isfahan (Basirat and Seyedoleslami); province of Qazvin (Lotfalizadeh and Gharali 2005); Iran (Zoebelein 1966; Grissell and Prinsloo 2001; Nikolskaya and Zerova 1978; Rice and Michailides 1988; Roques and Skrzypczynska 2003).

Distribution outside Iran: Afghanistan; Algeria; Australia; Bulgaria; Croatia; Cyprus; France; Greece; Israel; Italy; Mexico; Montenegro; Morocco; China; Portugal; Tunisia; Turkey; Turkmenistan; Ukraine; United States of America; Uzbekistan.

Megastigmus rosae Bou ek, 1971

Iranian Record: province of East Azerbaijan (Lotfalizadeh and Gharali 2005).

Distribution outside Iran: Armenia; Austria; Azerbaijan; Bulgaria; Czech Republic; Georgia; Germany; Kazakhstan; Russia; Switzerland; Tadjikistan; Turkey; Turkmenistan; Ukraine.

Megastigmus stigmatizans (Fabricius, 1798)

Iranian Records: province of Lurestan (Azizkhani et al. 2005); Kordestan and Kermanshah provinces (Nazemi-Rafie et al. 2007).

Distribution outside Iran: Austria; Bosnia and Herzegovina; Bulgaria; Croatia; Czech Republic; France; Germany; Hungary; Italy; Russia; Serbia; Slovakia; Slovenia; Sweden; Ukraine; United Kingdom.

Microdontomerus annulatus (Spinola, 1808)

Iranian Records: province of Ilam (Gharali 2004; Lotfalizadeh and Gharali 2005); province of Tehran (Modares Awal 1997).

Distribution outside Iran: Austria; Bulgaria; Croatia; Czech Republic; Egypt; Germany; Hungary; Italy; Libya; Moldova; Montenegro; Pakistan; Romania; Serbia; Slovakia; Spain; Sweden; Turkey; United Kingdom.

Monodontomerus aereus Walker, 1834

Iranian Records: province of East Azarbaijan (Nikdel et al. 2004); province of Qazvin (Gharali et al. 2005; Lotfalizadeh and Gharali 2005).

Distribution outside Iran: Armenia; Austria; Bosnia and Herzegovina; Bulgaria; Canada; Croatia; Czech Republic; France; Georgia; Germany; Greece; Hungary; India; Italy; Japan; Kazakhstan; Moldova; Netherlands; North Africa; Poland; Republic of Macedonia; Romania;

Russia; Serbia; Slovakia; Spain; Switzerland; Turkey; Ukraine; United Kingdom; United States of America.

Monodontomerus aeneus (Fonscolombe, 1832)

Iranian Record: Iran (Baur 2005).

Distribution outside Iran: Austria; Azerbaijan; Canada; Chile; Croatia; Czech Republic; France; Georgia; Germany; Hungary; Italy; Kazakhstan; Romania; Russia; Spain; Sweden; Ukraine; United Kingdom; United States of America.

Monodontomerus obscurus Westwood, 1833

Iranian Record: province of Ardabil (Lotfalizadeh and Gharali 2005).

Distribution outside Iran: Azores; Bulgaria; Canada; Chile; Croatia; Czech Republic; Denmark; Egypt; France; Germany; Hungary; India; Israel; Italy; Kazakhstan; Lebanon; Moldova; Netherlands; Pakistan; Republic of Macedonia; Romania; Russia; Slovakia; Spain; Sweden; Switzerland; Turkey; Turkmenistan; Ukraine; United Kingdom; United States of America.

Monodontomerus vicicellae (Walker, 1847)

Iranian Records: Mazandaran and Tehran provinces (Tremewan 1976; 1977).

Distribution outside Iran: Austria; Croatia; Czech Republic; Finland; France; Germany; Hungary; Italy; Moldova; Mongolia; Netherlands; Republic of Macedonia; Russia; Serbia; Slovakia; Spain; Ukraine; United Kingdom.

Oopristus turkestanicus (Skriptshinsky, 1929)

Iranian Records: province of Tehran (Steffan 1968; Modares Awal 1997); Iran (Farooqi 1986).

Distribution outside Iran: Iraq; Pakistan; Uzbekistan.

Podagrion bouceki Delvare, 2005

Iranian Records: province of Kerman (Delvare 2005).

Distribution outside Iran: Benin; Burkina Faso; Cameroon; Gambia; Guinea; Ivory Coast; France; Morocco; Oman; Portugal; Senegal; Spain; Somalia; South Africa.

Podagrion pachymerum (Walker, 1833)

Iranian Record: province of Yazd (Ebrahimi and Ahmadian 2002).

Distribution outside Iran: Algeria; Austria; Bulgaria; Croatia; Czech Republic; France; Germany; Hungary; India; Italy; Madeira; Moldova; Poland; Romania; Slovakia; Spain; Syria; Ukraine.

Podagrionella caudata Narendran, 1994
Iranian Record: province of Sistan-Baluchestan (Tatogh et al. 2008).
Distribution outside Iran: India.

Podagrionella lichtensteini (Picard, 1933)
Iranian Record: province of East Azerbaijan (Lotfalizadeh and Gharali 2005).
Distribution outside Iran: Canary Islands; France; Kazakhstan; Spain.

Pseuderimerus irani Zerova and Seryogina, 2008
Iranian Record: province of Lorestan (Zerova and Seryogina, 2008).

Pseudotorymus euphorbiae Zerova and Seryogina, 1999
Iranian Record: province of Ilam (Lotfalizadeh and Gharali 2005).
Distribution outside Iran: Ukraine.

Pseudotorymus medicaginis (Mayr, 1874)
Iranian Record: province of East Azerbaijan (Lotfalizadeh and Gharali 2005).
Distribution outside Iran: Austria; Czech Republic; Mongolia; Romania; Sweden; Ukraine; United Kingdom.

Pseudotorymus militaris (Boheman, 1834)
Iranian Record: province of West Azerbaijan (Zerova et al. 2008).
Distribution outside Iran: Czech Republic; Europe; Germany; Sweden; Turkey; Ukraine; United Kingdom (excl. Northern Ireland).

Pseudotorymus regalis Askew, 2006
Iranian Records: province of Lurestan (Askew et al. 2006a); Iran (Askew et al. 2006b).

Pseudotorymus stachidis (Mayr, 1874)
Iranian Record: province of Fars (Fallahzadeh et al. 2008).
Distribution outside Iran: Austria; Hungary; Sweden.

Torymus auratus (Müller, 1764)
Iranian Records: province of East Azerbaijan (Lotfalizadeh and Gharali 2005; Lotfalizadeh et

al. 2006); province of Kordestan (Modares Awal 1997).

Distribution outside Iran: Austria; Bulgaria; Czech Republic; France; Georgia; Germany; Hungary; Moldova; Netherlands; Romania; Slovakia; Sweden; Ukraine; United Kingdom; United States of America.

Torymus bedeguaris (Linnaeus, 1758)
Iranian Records: East Azerbaijan and Tehran provinces (Lotfalizadeh and Gharali 2005; Lotfalizadeh et al. 2006); East Azerbaijan, Isfahan and Tehran provinces (Modares Awal 1997); province of Tehran (Rakhshani et al. 2003b); Iran (Askew et al. 2006a; b).

Distribution outside Iran: Andorra; Armenia; Austria; Azerbaijan; Belgium; Bulgaria; Canada; Croatia; Czech Republic; Denmark; France; Georgia; Germany; Greece; Hungary; Italy; Kazakhstan; Kyrgyzstan; Moldova; Netherlands; Romania; Russia; Serbia; Slovakia; Spain; Sweden; Switzerland; Tadzhikistan; Turkey; Turkmenistan; Ukraine; United Kingdom; United States of America.

Torymus erucarum (Schrank, 1781)
Iranian Record: province of West Azerbaijan (Zargaran et al. 2008).

Distribution outside Iran: Austria; Croatia; Czech Republic; France; Germany; Hungary; Italy; Republic of Macedonia; Moldova; Netherlands; Poland; Portugal; Russia; Serbia; Slovakia; Spain; Sweden; Ukraine; United Kingdom.

Torymus geranii (Walker, 1833)
Iranian Records: province of Ilam (Lotfalizadeh and Gharali 2005); province of Lurestan (Azizkhani et al. 2005).

Distribution outside Iran: Azerbaijan; Belgium; Croatia; France; Germany; Japan; Korea-South; Netherlands; China; Poland; Portugal; Russia; Serbia; Slovakia; Sweden; Ukraine; United Kingdom.

Torymus lapsanae (Hoffmeyer, 1930)
Iranian Record: Fars and Tehran provinces (Hesami et al. 2008).

Distribution outside Iran: France; Hungary; Sweden; Ukraine.

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